

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 8-5-02 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

**1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:**

- Black ink. Color.
- Color drawings are not acceptable until patent is granted.
- Fig(s) \_\_\_\_\_
- Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

**2. PHOTOGRAPHS. 37 CFR 1.84(b)**

- 1 full-tone set is required. Fig(s) \_\_\_\_\_
- Photographs may not be mounted. 37 CFR 1.84(e)
- Poor quality (half-tone). Fig(s) \_\_\_\_\_

**3. TYPE OF PAPER. 37 CFR 1.84(c)**

- Paper not flexible, strong, white, and durable.
- Fig(s) \_\_\_\_\_
- Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) 1-3,7
- Mylar, velum paper is not acceptable (too thin).
- Fig(s) \_\_\_\_\_

**4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:**

- 21.0 cm by 29.7 cm (DIN size A4)
- 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
- All drawing sheets not the same size.

Sheet(s) Fig. 1-3,7

- Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_

**5. MARGINS. 37 CFR 1.84(g): Acceptable margins:**

Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm  
SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) \_\_\_\_\_

Top (T) \_\_\_\_\_ Left (L)  
Right (R) \_\_\_\_\_ Bottom (B)

**6. VIEWS. 37 CFR 1.84(h)**

REMINDER: Specification may require revision to correspond to drawing changes.

Partial views. 37 CFR 1.84(h)(2)

- Brackets needed to show figure as one entity.
- Fig(s) \_\_\_\_\_

Views not labeled separately or properly.

Fig(s) \_\_\_\_\_

Enlarged view not labeled separately or properly.

Fig(s) \_\_\_\_\_

**7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)**

Hatching not indicated for sectional portions of an object.

Fig(s) \_\_\_\_\_

Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

**8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)**

- Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

**9. SCALE. 37 CFR 1.84(k)**

- Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
- Fig(s) \_\_\_\_\_

**10. CHARACTER OF LINES, NUMBERS, & LETTERS.**

**37 CFR 1.84(l)**

- Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
- Fig(s) \_\_\_\_\_

**11. SHADING. 37 CFR 1.84(m)**

- Solid black areas pale. Fig(s) \_\_\_\_\_
- Solid black shading not permitted. Fig(s) \_\_\_\_\_
- Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.**

**37 CFR 1.84(p)**

- Numbers and reference characters not plain and legible.
- Fig(s) \_\_\_\_\_
- Figure legends are poor. Fig(s) \_\_\_\_\_
- Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
- Fig(s) \_\_\_\_\_
- English alphabet not used. 37 CFR 1.84(p)(2)
- Figs \_\_\_\_\_
- Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
- Fig(s) \_\_\_\_\_

**13. LEAD LINES. 37 CFR 1.84(q)**

- Lead lines cross each other. Fig(s) \_\_\_\_\_
- Lead lines missing. Fig(s) \_\_\_\_\_

**14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)**

- Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_

**15. NUMBERING OF VIEWS. 37 CFR 1.84(u)**

- Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

**16. CORRECTIONS. 37 CFR 1.84(w)**

- Corrections not made from prior PTO-948 dated \_\_\_\_\_

**17. DESIGN DRAWINGS. 37 CFR 1.152**

- Surface shading shown not appropriate. Fig(s) \_\_\_\_\_
- Solid black shading not used for color contrast.
- Fig(s) \_\_\_\_\_

COMMENTS Fig. 1-3,7 ARE ON 0'1/2 X 11 AND ALL PRIOR SHEETS ARE ON A-4 SIZE PAPER. ALL SHEETS MUST BE ON THE SAME SIZE.

REVIEWER J-CFASCF DATE 3-3-03 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. \_\_\_\_\_

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PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 8-29-00 are:

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<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:      Black ink. Color.      _____      Color drawings are not acceptable until petition is granted.      _____      Fig(s) _____      Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84 (b)      _____      1 full-tone set is required. Fig(s) _____      _____      Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____      _____      Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)      Paper not flexible, strong, white, and durable.      _____      Fig(s) _____      Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) <u>7</u>      _____      Mylar, vellum paper is not acceptable (too thin).      Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:      21.0 cm by 29.7 cm (DIN size A4)      _____      21.6 cm by 27.9 cm (8 1/2 x 11 inches)      _____      All drawing sheets not the same size.      Sheet(s) _____      Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:      Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm      SIZE: A4 Size      Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm      SIZE: 8 1/2 x 11      Margins not acceptable. Fig(s) _____      _____      Top (T) _____ Left (L)      Right (R) _____ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h)      REMINDER: Specification may require revision to correspond to drawing changes.      Partial views. 37 CFR 1.84(h)(2)      _____      Brackets needed to show figure as one entity.      Fig(s) _____      Views not labeled separately or properly.      Fig(s) _____      Enlarged view not labeled separately or properly.      Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)      Hatching not indicated for sectional portions of an object.      Fig(s) _____      Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)      _____      Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)      _____      Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.      Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(i)      _____      Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality).      Fig(s) <u>1-3</u></p> <p>11. SHADING. 37 CFR 1.84(m)      _____      Solid black areas pale. Fig(s) _____      _____      Solid black shading not permitted. Fig(s) _____      _____      Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)      _____      Numbers and reference characters not plain and legible.      Fig(s) <u>1-3</u>      _____      Figure legends are poor. Fig(s) _____      _____      Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)      Fig(s) _____      English alphabet not used. 37 CFR 1.84(p)(2)      Figs _____      _____      Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)      Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)      _____      Lead lines cross each other. Fig(s) _____      _____      Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)      _____      Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)      _____      Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)      _____      Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152      _____      Surface shading shown not appropriate. Fig(s) _____      _____      Solid black shading not used for color contrast.      Fig(s) _____</p>
COMMENTS	

REVIEWER Jessica Chaisse DATE 11-3-00 TELEPHONE NO. 7033058430ATTACHMENT TO PAPER NO. 6